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1946/47

UNIVERSITY OF ILLINOIS

Chicago Undergraduate Division

NAVY PIER

INFORMATION HANDBOOK

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UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN



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CALENDAR

(Subject to change)

FIRST SEMESTER

1946

| | |
|---|------------------------------|
| October 14, Monday — October 17, Thursday..... | Registration |
| October 21, Monday..... | Instruction Begins |
| November 27, Wednesday, 12 m..... | Thanksgiving Vacation Begins |
| December 2, Monday, 1 p.m..... | Thanksgiving Vacation Ends |
| December 21, Saturday, 8 a.m..... | Christmas Vacation Begins |
| 1947 | |
| January 6, Monday, 8 a.m..... | Christmas Vacation Ends |
| February 12, Wednesday — February 20, Thursday..... | Semester Examinations |

SECOND SEMESTER

| | |
|--|------------------------|
| March 10, Monday — March 13, Thursday..... | Registration |
| March 17, Monday..... | Instruction Begins |
| April 3, Thursday, 12 m..... | Easter Vacation Begins |
| April 7, Monday, 1 p.m..... | Easter Vacation Ends |
| June 24, Tuesday — July 2, Wednesday..... | Semester Examinations |

SUMMER SESSION (Eight Weeks)

| | |
|--|-----------------------|
| July 14, Monday — July 15, Tuesday..... | Registration |
| July 16, Wednesday..... | Instruction Begins |
| September 5, Friday — September 6, Saturday..... | Semester Examinations |

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STATEMENT OF POLICY

THE CHICAGO UNDERGRADUATE DIVISION of the University of Illinois was established at Navy Pier as part of the program of the State to meet its share of the national emergency in higher education resulting from the overwhelmingly increased demand, primarily by veterans, for instruction at the University level.

Courses at the freshman and sophomore levels are offered in the College of Engineering, the College of Commerce and Business Administration, and the College of Liberal Arts and Sciences (except Home Economics laboratory work). In addition, Architecture courses in the College of Fine and Applied Arts are being offered.

The program has been organized to provide for 4,000 students. Enrollment has been limited to qualified students residing in the Chicago area. Every effort will be made to integrate the instructional program with the cultural and other resources of the City of Chicago so that a superior educational unit may be developed.

Course offerings are identical with those made available to comparable students in undergraduate work on the Urbana campus. In large measure, the administrative organization is identical with that existing downstate. The fee schedule is identical with that of the Urbana campus, and, insofar as possible, the academic calendar will coincide with the University's schedule in Urbana.

Suitable adjustments will be made in the academic program to provide facilities of a semi-professional and technical nature for those students who are qualified to succeed in a terminal program rather than one designed for further studies at the college level.

The University, as a public institution, desires that every enrollee shall have the best possible opportunity to develop his individual capacities to their fullest degree. The Undergraduate Division in Chicago, through its educational, social, and cultural program, will provide its student body with the same high degree of service which has been so long a part of the University's tradition.

CHARLES C. CAVENY
Dean

ADMINISTRATIVE OFFICERS
CHICAGO UNDERGRADUATE DIVISION
NAVY PIER

| | |
|-----------------------------|---|
| CHARLES C. CAVENY..... | Executive Dean |
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| HAROLD W. BAILEY..... | Associate Dean College of Liberal Arts and Sciences |
| ROBERT F. HACKETT..... | Associate Dean College of Commerce and Business Administration |
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GENERAL REQUIREMENTS FOR ADMISSION

Age—An applicant must be at least sixteen years of age. The dean of the college concerned, however, may admit on petition a student fifteen years of age who meets all other requirements for admission and who is to reside, while attending the University, with his parents or guardian or with someone selected by them.

High School Graduation—Ordinarily an applicant for admission by certificate must be a graduate of an accredited secondary school. However, an applicant who is a high school senior, who meets the age requirement, and who ranks in the upper twenty-five per cent of his class, may be admitted to the University under the following conditions:

1. He must be recommended for admission by a committee of his high school faculty, consisting of the principal and at least three teachers, one of whom shall be a pupil counselor if the school has in operation an organized guidance program.

2. He must have completed not fewer than 14 units acceptable toward admission (10 units in a three-year senior high school), including all subjects prescribed for admission to the particular curriculum in which he wishes to enroll.

3. He must demonstrate that he possesses the intellectual ability, social maturity, and emotional stability essential to success in college by passing satisfactorily such tests as may be prescribed and administered by the Personnel Bureau of the University of Illinois. In general, a rank below the 75th percentile on University of Illinois norms in these tests will be cause for denial of admission. If the applicant has taken the tests given in many high schools through the Illinois High School Testing Program, the results of those tests will be considered along with the results of tests given by the Personnel Bureau.

High School Scholarship—An applicant for admission to the University whose rank in scholarship is in the upper three-quarters of his graduating class and who meets the requirements as stated below is admitted by certificate to full freshman standing. Furthermore, the Registrar is authorized to admit, without adhering to the usual requirements as they pertain to majors and minors, an applicant whose rank in scholarship is in the upper fifty per cent of his graduating class. Such a student, however, must present those specific high school courses that are prerequisite to courses in the curriculum which he desires to follow in the University.

A graduate of an accredited high school whose rank in scholarship is in the lowest quarter of his graduating class and who meets the requirements as stated below is admitted by certificate to probationary status and, in connection with his first registration in the University, is required to take such tests as may be prescribed by the Personnel Bureau. Such a student, immediately upon registration, is placed under the special supervision of the dean of the college in which he is enrolled. He may be required by the dean or director to carry a reduced program of work or a program especially arranged to meet his needs.

Graduates of Unaccredited Secondary Schools—The Registrar is authorized to admit a student who is a graduate of an unaccredited secondary school and whose general scholarship rank is in the upper twenty-five per cent of his graduating class, subject to his passing examinations at the University in advance of admission in: (1) English composition and rhetoric; and (2) other high school subjects necessary to complete the requirements.

DEFINITIONS

A *unit* in the secondary school is a course covering an academic year and including not less than the equivalent of 120 clock hours of classroom work.

A *major* is three unit courses in one field.

A *minor* is two unit courses in one field.

Fifteen units of acceptable secondary school work are required, including:

(A) Two majors and one minor, selected from Groups 1-5 on page 9. *One of the majors must be English.*

(B) A total of at least nine units from the fields of English, foreign language, mathematics, science, and social studies, including preparation amounting to a major or minor sequence in at least three different fields.

(C) All subjects required for the curriculum which the applicant desires to enter. (See table on next page.)

(D) Six units from any of the high school subjects which are accepted by an accredited school toward its diploma and which meet University of Illinois accrediting standards. Fractional credits of less than one-half will not be accepted. Not less than one unit of work will be accepted in a foreign language, elementary algebra, plane geometry, physics, chemistry, or biology.

ADMISSION OF WAR VETERANS

Veterans may enter the University in any of the colleges for which they have the essential prerequisites. They may qualify for admission under the entrance requirements described on pages 8 and 9 or on the basis of previous work in college, graduation from high school, the passing of examinations, or other satisfactory demonstration of ability to carry college work.

All high school and college credentials should be sent to the Registrar's office, Navy Pier, for evaluation.

Veterans planning to attend the University under the G.I. Bill should send their Certificates of Eligibility to the Registrar's Office after September 1 and before the date of registration. Honorable discharge papers and credentials showing special training courses completed in the armed services should be presented to determine what credit, if any, may be allowed.

REQUIRED AND RECOMMENDED SUBJECTS FOR ADMISSION

| Colleges | Subjects Required | Subjects Recommended |
|---|---|---|
| COLLEGE OF LIBERAL ARTS AND SCIENCES General Curriculum with majors in Bacteriology, Botany, Economics, English, Entomology, French, German, Geography, Geology, History, Philosophy, Political Science, Psychology, Sociology, Spanish, Speech, Zoology. General Curriculum preparatory to Education, Journalism, Law. Pre-teacher Training Curricula. | English, 3 units ⁽¹⁾ Language, 2 units ⁽²⁾ | Language, 3 units in one language, instead of the required 2 units. Science, 2 units (including biology). Social Studies, 2 units. |
| General Curriculum with majors in Chemistry, Physics, Mathematics, Physiology. Special Curricula preparatory to Dentistry, Medicine. ⁽⁴⁾ Pre-teacher Training Curricula. | English, 3 units ⁽¹⁾ Language, 2 units ⁽²⁾ Algebra, 1 unit Geometry, 1 unit | Mathematics, 3 units, instead of the required 2 units. Science, 2 units (including physics or chemistry or both). Social Studies, 2 units. |
| Special Curricula in Chemistry and Chemical Engineering. | English, 3 units ⁽¹⁾ Language, 2 units ⁽²⁾ Algebra, 1½ units Geometry, 1 unit | Language, 4 units (including 2 units in French and 2 units in German). Mathematics, 3 units, instead of the required 2½ units. Science, 2 units (including physics or chemistry or both). Social Studies, 2 units. |
| COLLEGE OF COMMERCE All fields (Accountancy, Banking and Finance, Commerce and Law, Economics). | English, 3 units ⁽¹⁾ Algebra, 1 unit Geometry, 1 unit | Advanced algebra, 1½ units. Science, 2 units (including 1 unit with laboratory). |
| COLLEGE OF ENGINEERING All Curricula (Aeronautical, Ceramic, Civil, Electrical, General, Mechanical, Metallurgical, Mining, Engineering Physics). Curricula in Architecture. | English, 3 units ⁽¹⁾ Algebra, 1½ units ⁽³⁾ Plane Geometry, 1 unit Solid Geometry, 1 unit ⁽³⁾ English, 3 units ⁽¹⁾ Algebra, 1½ units ⁽³⁾ Geometry, 1 unit | Language, 2 units. Science, 2 units (including physics or chemistry or both). Social Studies, 2 units. Industrial Arts, 2 units. Freehand Drawing, 1 unit. Science, 2 units (including physics and chemistry). Social Studies, 2 units (including economics and history). |

(1), (2), (3), (4) See page 9 for additional description.

(1) ENGLISH

Only courses in history and appreciation of literature, and in composition (including oral composition as a part of a basic English course), and grammar, will count toward the three units in English required as a major for admission to all curricula. Four units in English, while not required for any curriculum, are recommended by all the colleges and schools.

(2) LANGUAGE

The foreign language requirement for admission to any curriculum is fulfilled by two units in any one of the following: German, Spanish, Italian, Latin, Greek. For some curricula three units in one language are recommended, and for some it is advantageous to have four units in one language or a combination of languages. Less than one unit in a language is not acceptable for admission.

(3) MATHEMATICS

In Engineering or Architecture where advanced algebra or solid geometry, or both, are required, students who have only one unit in algebra and one unit in geometry, and who meet all other entrance requirements, may be admitted on condition that the deficiency be removed during their first year of residence. Where one unit in algebra and one unit in geometry are required for admission, general mathematics will be accepted if the content of the course is essentially the same as that ordinarily included in algebra and plane geometry. For all curricula involving chemistry (to which one unit in physics or chemistry or $2\frac{1}{2}$ units in mathematics are prerequisite), students without credit in physics or chemistry who have only two units in mathematics will be required to take college algebra.

(4) PRE-MEDICAL REQUIREMENT

A student entering the pre-medical curriculum as a freshman must have a scholarship rank in the upper half of his high school graduating class. A student transferring to this curriculum from another college or university must have a scholastic average in his collegiate work not less than 3.5 in terms of the grading system of the University of Illinois.

MAJORS AND MINORS

The required majors and minors defined above may be selected from the following five groups: (1) English—(In all cases one major must be in English.) Only courses in history and appreciation of literature, composition (including oral composition as a part of a basic English course), and grammar will count toward a major. (2) Foreign Language—Three units in one language constitute a major. Two units in one language constitute a minor. (3) Mathematics—Only courses in algebra, plane geometry, solid and spherical geometry, and trigonometry will be accepted toward a major in this subject. (General mathematics may be accepted in lieu of algebra and geometry in cases where the content of the course is essentially the same as that ordinarily included in algebra and geometry.) (4) Science—(Including physics; chemistry; biology, or botany and zoology; general science, or physiology and physiography; astronomy; and geology.) The three units required for a major must include at least one unit from the above subjects. (5) Social Studies—(Including history, civics, economics, commercial or economic geography, and sociology.) The three units required for a major must include at least two units in history. The two required for a minor must include at least one unit in history.

COLLEGE OF LIBERAL ARTS AND SCIENCES

THE GENERAL CURRICULUM in the College of Liberal Arts and Sciences offered at the Undergraduate Division in Chicago is aimed at giving the student a well-balanced intellectual development. It provides the resources for a liberal education, which emphasizes subjects leading to a general knowledge and interpretation of the cultures of both the past and present. The general curriculum requires a number of basic courses in literature or philosophy, social studies and natural sciences, and a reading knowledge of at least one foreign language. Students in this curriculum are encouraged to develop interest and talents supplementing their major subjects.

The first two years of undergraduate work are offered in the following fields: Pre-teacher training; Pre-law; Pre-journalism; Chemistry and chemical engineering; Pre-medicine; and Pre-dentistry.

Courses to be offered at the Undergraduate Division in Chicago:

BACTERIOLOGY

- 5a. INTRODUCTORY BACTERIOLOGY.—(3).* *Prerequisite:* Sophomore standing or consent of instructor.
- 5b. INTRODUCTORY BACTERIOLOGY LABORATORY.—(2). *Prerequisite:* Bacteriology 5a or concurrent registration therein.

BOTANY

- 1a. INTRODUCTORY BOTANY.—(3).
- 1b. INTRODUCTORY BOTANY LABORATORY.—(2). *Prerequisite:* Botany 1a or concurrent registration therein.
16. ECONOMIC BOTANY.—(3). *Prerequisite:* Botany 1a or 1b.

CHEMISTRY

1. INORGANIC CHEMISTRY.—(5). *Prerequisite:* One unit of entrance credit in physics or $2\frac{1}{2}$ units of entrance credit in mathematics, or credit in mathematics 2 or 3.
2. INORGANIC CHEMISTRY.—(3). *Prerequisite:* One unit of entrance credit in chemistry.
3. INORGANIC CHEMISTRY.—(4). For engineering students. Students who have received entrance credit for high school chemistry are given only 3 hours credit for Chemistry 3.
4. CHEMISTRY OF METALLIC ELEMENTS.—(4). For engineering students. *Prerequisite:* Chemistry 1, 2 or 3.
5. INORGANIC CHEMISTRY AND QUALITATIVE ANALYSIS.—(5). For non-engineers and non-chemistry majors. *Prerequisite:* Chemistry 1, 2 or 3.
6. INORGANIC CHEMISTRY.—(5). For chemical engineers and chemistry majors. *Prerequisite:* Chemistry 1, 2 or 3. Credit in Chemistry 6 will not be granted to students who have received credit in Chemistry 4 or 5.
10. QUALITATIVE ANALYSIS.—(5). *Prerequisite:* Chemistry 6.
22. ELEMENTS OF QUANTITATIVE ANALYSIS.—(5). *Prerequisite:* Chemistry 4 or 5.
24. QUANTITATIVE ANALYSIS.—(5). For chemistry majors. *Prerequisite:* Chemistry 10.
33. ELEMENTARY ORGANIC CHEMISTRY.—(5). For pre-medical students. *Prerequisite:* Chemistry 5 or 10.
34. ORGANIC CHEMISTRY.—(5). For chemical engineers and chemistry majors. *Prerequisite:* Chemistry 6, 10, and 24.

* Figures in parenthesis indicate number of credit hours offered for the course.

ENGLISH

- 10a. TYPES OF POETRY.—(3). Credit is not given for English 11a or 11b in addition to English 10a, or for any of these courses in addition to English 20a and 20b. *Prerequisite:* Minimum entrance requirement in English.
- 10b. STUDY OF DRAMA.—(3). See note under English 10a. *Prerequisite:* English 10a or 11a.
- 11a. CHRONOLOGICAL STUDY OF MASTERPIECES.—(3). See note under English 10a. *Prerequisite:* Minimum entrance requirement in English.
- 11b. CHRONOLOGICAL STUDY OF MASTERPIECES.—(3). See note under English 10a. *Prerequisite:* English 11a.
12. AMERICAN LITERATURE.—(2). *Prerequisite:* Sophomore standing or exemption from Rhetoric 2.
- 20a. CHIEF ENGLISH WRITERS OF THE 19TH CENTURY.—(4). For non-English majors. See note under English 10a. *Prerequisite:* Sophomore standing.
23. INTRODUCTION TO SHAKESPEARE.—(3). *Prerequisite:* Sophomore standing or exemption from Rhetoric 2.

RHETORIC

0. RHETORIC AND COMPOSITION.—(No credit). Open to students who fail the placement test for admission to Rhetoric 1.
1. RHETORIC AND COMPOSITION.—(3). *Prerequisite:* A passing grade on the Rhetoric 1 placement examination or a passing grade in Rhetoric 0.
2. RHETORIC AND COMPOSITION.—(3). *Prerequisite:* Rhetoric 1 or exemption from Rhetoric 1.
3. EXPOSITION.—(3). *Prerequisite:* Rhetoric 1 and 2; sophomore standing.
4. NARRATION AND DESCRIPTION.—(3). *Prerequisite:* Rhetoric 1 and 2; sophomore standing.
5. RHETORIC AND COMPOSITION.—(3). Required of students who fail the qualifying examination.
10. BUSINESS LETTER WRITING.—(2). *Prerequisite:* Rhetoric 1 and 2.

SPEECH

1. PRINCIPLES OF EFFECTIVE SPEAKING.—(3). Open to freshmen.
2. BUSINESS AND PROFESSIONAL SPEAKING.—(2). *Prerequisite:* Speech 1; sophomore standing.
10. ORAL INTERPRETATION OF LITERATURE.—(2). Open to freshmen.

ENTOMOLOGY

2. INSECTS: Their Life and Importance to Man.—(2). *Prerequisite:* Sophomore standing.

FRENCH

- 1a. ELEMENTARY FRENCH.—(4).
- 1b. ELEMENTARY FRENCH (CONTINUED).—(4). *Prerequisite:* French 1a or one year of high school French.
- 2a. MODERN FRENCH.—(4). *Prerequisite:* French 1b or two years of high school French.
- 2b. MODERN FRENCH (CONTINUED).—(4). *Prerequisite:* French 2a or three years of high school French.
- 3a. INTRODUCTION TO FRENCH LITERATURE.—(3). *Prerequisite:* French 2b or four years of high school French.

GEOGRAPHY

1. ELEMENTS OF GEOGRAPHY.—(5).
2. ECONOMIC GEOGRAPHY.—(5). *Prerequisite:* Geography 1.
22. GENERAL GEOGRAPHY.—(5). For Commerce students only.

GEOLOGY

1. GENERAL GEOLOGY.—(3).
- 1a. GENERAL GEOLOGY LABORATORY.—(2). *Prerequisite:* Geology 1 or concurrent registration therein.
- 2a. HISTORICAL GEOLOGY.—(4). *Prerequisite:* Geology 1.
20. GENERAL MINERALOGY.—(3). *Prerequisite:* One semester of chemistry.
43. ENGINEERING GEOLOGY.—(3). *Prerequisite:* Sophomore standing in the College of Engineering.

GERMAN

1. ELEMENTARY GERMAN.—(4).
2. ELEMENTARY COURSE (CONTINUED).—(4). *Prerequisite:* German 1 or one year of high school German.
4. INTERMEDIATE COURSE.—(4). *Prerequisite:* German 2 or two years of high school German.
5. INTERMEDIATE COURSE (CONTINUED).—(4). *Prerequisite:* German 4 or three years of high school German.

HISTORY

- 1a. CONTINENTAL EUROPEAN HISTORY TO 1815.—(4).
- 2a. HISTORY OF ENGLAND.—(3).
- 3a. HISTORY OF THE UNITED STATES TO 1828.—(3). *Prerequisite:* Sophomore standing.
- 5a. THE ANCIENT WORLD.—(3). *Prerequisite:* Sophomore standing.

MATHEMATICS

1. SOLID GEOMETRY.—(3). *Prerequisite:* Entrance algebra, 1 unit; plane geometry, 1 unit.
2. COLLEGE ALGEBRA.—(3). *Prerequisite:* Entrance algebra, $1\frac{1}{2}$ units; plane geometry, 1 unit.
3. ALGEBRA.—(5). *Prerequisite:* Entrance algebra, 1 unit; plane geometry, 1 unit.
4. PLANE TRIGONOMETRY.—(2). *Prerequisite:* Entrance algebra, $1\frac{1}{2}$ units or concurrent registration in Mathematics 3.
- 4a. ELEMENTS OF ALGEBRA AND TRIGONOMETRY.—(3). *Prerequisite:* High school algebra, 1 unit.
5. ADVANCED TRIGONOMETRY.—(2). *Prerequisite:* Entrance algebra, $1\frac{1}{2}$ units; plane geometry, 1 unit; solid geometry, $\frac{1}{2}$ unit; Mathematics 4 or entrance trigonometry ($\frac{1}{2}$ unit) provided the student can pass placement test to be given in the first two class meetings.
- 6a. ANALYTIC GEOMETRY.—(4). *Prerequisite:* Mathematics 2 or 3 and Mathematics 4 or 5.
7. CALCULUS.—(5). *Prerequisite:* Mathematics 6a.
9. CALCULUS.—(3). *Prerequisite:* Mathematics 7.



PHILOSOPHY

1. INTRODUCTION TO PHILOSOPHY.—(3). *Prerequisite:* Sophomore standing.
2. LOGIC.—(3). *Prerequisite:* Sophomore standing.

PHYSIOLOGY

1. MAMMALIAN PHYSIOLOGY.—(3).

POLITICAL SCIENCE

- 1a. AMERICAN GOVERNMENT: ORGANIZATION AND POWERS.—(3). *Prerequisite:* Sophomore standing.
- 1b. GOVERNMENT IN ILLINOIS.—(2). *Prerequisite:* Sophomore standing.

PSYCHOLOGY

1. INTRODUCTION TO PSYCHOLOGY.—(4). *Prerequisite:* Sophomore standing.
2. FIELDS OF PSYCHOLOGY.—(4). *Prerequisite:* Psychology 1.

SOCIOLOGY

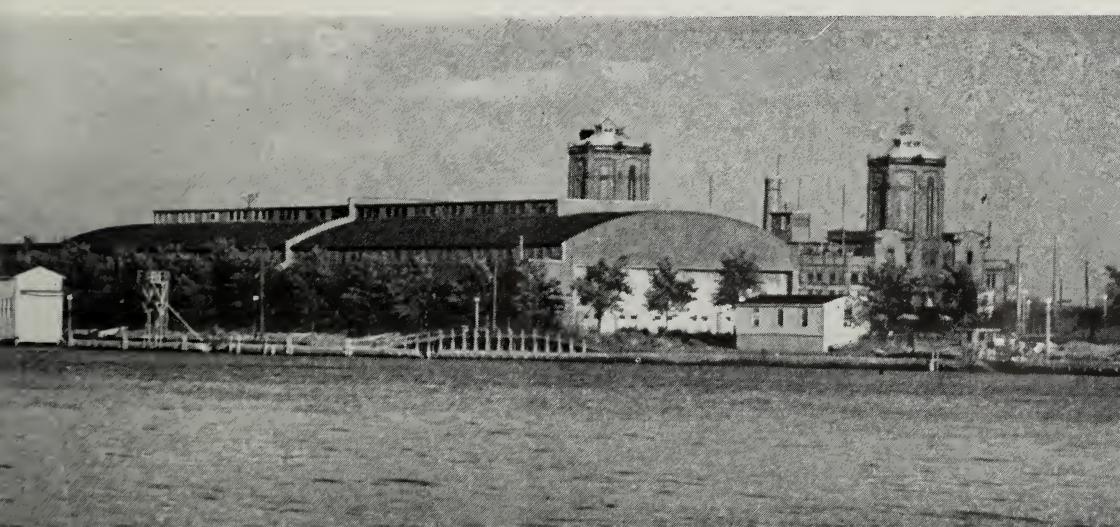
1. PRINCIPLES OF SOCIOLOGY.—(3). *Prerequisite:* Sophomore standing.
2. SOCIAL FACTORS IN PERSONALITY.—(3). *Prerequisite:* Sociology 1.

SPANISH

- 1a. ELEMENTARY SPANISH.—(4).
- 1b. ELEMENTARY SPANISH (CONTINUED).—(4). *Prerequisite:* Spanish 1a or one year of high school Spanish.
- 2a. MODERN SPANISH.—(4). *Prerequisite:* Spanish 1b or two years of high school Spanish.
- 2b. MODERN SPANISH (CONTINUED).—(4). *Prerequisite:* Spanish 2a or three years of high school Spanish.
- 3a. INTRODUCTION TO SPANISH LITERATURE.—(3). *Prerequisite:* Spanish 2b or four years of high school Spanish.

ZOOLOGY

1. GENERAL ZOOLOGY.—(5).
2. COMPARATIVE VERTEBRATE ANATOMY.—(5). *Prerequisite:* Zoology 1.



COLLEGE OF ENGINEERING

TO PREPARE MEN FOR PROFESSIONAL WORK in engineering and for responsible positions of a technical and semi-technical character in industry, commerce and government, the College of Engineering provides training in the mathematical and physical sciences and their applications to the design, construction, and operation of industrial plants and public and private works of all kinds. The curricula in this college, though widely varied and specialized, are built on a general foundation of scientific facts and theories applicable to many different fields. Work in the classrooms, laboratories, shops, and drafting rooms is correlated by practical problems which the students solve by methods similar to those of practicing engineers.

In addition to the fundamental and technological courses in each curriculum, some cultural courses are required, such as history, economics, and rhetoric, and others are elective, so that each student may broaden his program. Thus training for the practice of engineering as a profession is supplemented by an understanding of human relationships, and appreciation of economic factors in industrial and public works enterprises, and an insight into regional and national problems of production and distribution of goods.

At the Undergraduate Division in Chicago the first two years of courses in the following fields will be offered: aeronautical engineering; civil engineering; electrical engineering; mechanical engineering; mining and metallurgical engineering and engineering physics.

Courses to be offered at the Undergraduate Division in Chicago:

ARCHITECTURE

13. ARCHITECTURE AND CIVILIZATION OF THE NEAR ORIENT.—(2).* *Prerequisite:* Architecture 31 or 32.
14. ARCHITECTURE AND CIVILIZATION OF GREECE AND ROME.—(2). *Prerequisite:* Architecture 13.
31. ARCHITECTURAL DESIGN.—(3).
32. ARCHITECTURAL DESIGN (CONTINUED).—(3). *Prerequisite:* Architecture 31.
33. ARCHITECTURAL DESIGN.—(3). *Prerequisite:* Architecture 32.
34. ARCHITECTURAL DESIGN (CONTINUED).—(3). *Prerequisite:* Architecture 33.
43. MATERIALS AND METHODS OF CONSTRUCTION.—(3). *Prerequisite:* Architecture 32.
44. MATERIALS AND METHODS OF CONSTRUCTION.—(3). *Prerequisite:* Architecture 43 or consent of instructor.

ART

- 21a. FREEHAND DRAWING.—(2).
- 21b. FREEHAND DRAWING (CONTINUED).—(2). *Prerequisite:* Art 21a.
- 22a. FREEHAND DRAWING.—(2). *Prerequisite:* Art 21b.
- 22b. FREEHAND DRAWING (CONTINUED).—(2). *Prerequisite:* Art 22a.

CIVIL ENGINEERING

60. BRIDGE AND BUILDING CONSTRUCTION.—(3). *Prerequisite:* Sophomore standing.

ELECTRICAL ENGINEERING

14. WIRING AND ILLUMINATION.—(3). *Prerequisite:* Sophomore standing.

* Figures in parenthesis indicate number of credit hours offered for the course.

GENERAL ENGINEERING DRAWING

1. ELEMENTS OF DRAWING.—(4). *Prerequisite:* Plane geometry (1 unit).
2. DESCRIPTIVE GEOMETRY.—(4). *Prerequisite:* Plane and solid geometry (1½ units).
3. AIRCRAFT DRAFTING AND LOFTING.—(2). *Prerequisite:* General Engineering Drawing 1 and 2.
6. ELEMENTS OF DRAWING.—(3). *Prerequisite:* Plane geometry (1 unit).
7. ARCHITECTURAL PROJECTIONS.—(2). *Prerequisite:* Plane and solid geometry (1½ units).
8. ARCHITECTURAL PROJECTIONS (CONTINUED).—(2). *Prerequisite:* General Engineering Drawing 7.
10. PICTORIAL DRAWING.—(3 or 4). *Prerequisite:* General Engineering Drawing 1; Mathematics 6a.
12. GRAPHICAL CALCULATIONS.—(1). *Prerequisite:* General Engineering Drawing 1; Mathematics 6a.

MECHANICAL ENGINEERING

85. PATTERN AND FOUNDRY LABORATORY.—(3). *Prerequisite:* Sophomore standing; General Engineering Drawing 1.
87. MACHINE TOOL LABORATORY.—(3). *Prerequisite:* Sophomore standing.

PHYSICS

- 1a. GENERAL PHYSICS (MECHANICS, SOUND AND HEAT).—(4). *Prerequisite:* Mathematics 2 and 4; concurrent registration in Physics 3a.
- 1b. GENERAL PHYSICS (ELECTRICITY, MAGNETISM, AND LIGHT).—(4). *Prerequisite:* Physics 1a; registration in Physics 3b.
- 3a. GENERAL PHYSICS LABORATORY.—(1). *Prerequisite:* Concurrent registration in Physics 1a.
- 3b. GENERAL PHYSICS LABORATORY.—(1). *Prerequisite:* Concurrent registration in Physics 1b.

THEORETICAL AND APPLIED MECHANICS

1. ANALYTICAL MECHANICS (STATICS).—(2). *Prerequisite:* Mathematics 7; concurrent registration in Mathematics 9.
2. ANALYTICAL MECHANICS (DYNAMICS).—(3). *Prerequisite:* Theoretical and Applied Mechanics 1.
17. ELEMENTS OF MECHANICS (STATICS) AND STRENGTH OF MATERIALS.—(3). *Prerequisite:* Mathematics 6a.
18. ELEMENTS OF MECHANICS (STATICS) AND STRENGTH OF MATERIALS (CONTINUED).—(3). *Prerequisite:* Theoretical and Applied Mechanics 17.

COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION

THROUGH KNOWLEDGE OF MODERN BUSINESS PRACTICES and the fundamental principles on which economic systems operate, the College of Commerce and Business Administration seeks to develop in students the intellectual powers necessary for administrative careers. For this purpose it offers a unified program of basic studies for underclassmen. Though the factual contents of many of the courses are directly useful in specific vocations — accounting, banking, selling, teaching — students should expect to serve an apprenticeship in the fields they enter after graduation from this college if they wish to prepare themselves for higher positions.

While concentrating in a special field, students are encouraged to elect courses offered in other colleges of the University and to secure as liberal an education as possible, to avoid the narrowing effects of early specialization.

The program of the first two years is organized about a nucleus of courses in accountancy and economics, mathematics and science, language and literature, rhetoric and speech. While it is designed primarily as preparation for the third and fourth years of the curriculum, it affords a well-balanced combination of studies to those who are in college for only two years of preparation for work in the business world.

Students who have completed this two-year program with a satisfactory scholastic record are qualified for admission to the Upper Division of the College of Commerce and Business Administration or for admission to the College of Education, or the College of Law, or the School of Journalism. Students transferring to other colleges after completing only the two-year program of the College of Commerce receive their degrees not from the College of Commerce and Business Administration, but from the college to which they transfer on completing the requirements of that college.

Many of the courses offered in the College of Commerce are open to students in other undergraduate colleges of the University.

Courses to be offered at the Undergraduate Division in Chicago:

ACCOUNTANCY

- 1a. PRINCIPLES OF ACCOUNTING.—(3).*
- 1e. PRINCIPLES OF ACCOUNTING.—(2). One unit of entrance credit in bookkeeping.
- 1b. ACCOUNTING PROCEDURE.—(3). *Prerequisite:* Accountancy 1a or 1e.
- 2a. ELEMENTARY COST ACCOUNTING.—(3). *Prerequisite:* Accountancy 1b; registration or credit in Economics 1 or 2.
- 2b. INTERMEDIATE ACCOUNTING.—(3). *Prerequisite:* Accounting 2a.

ECONOMICS

1. PRINCIPLES OF ECONOMICS.—(5). *Prerequisite:* One year of university work.
2. ELEMENTS OF ECONOMICS.—(3). For non-commerce students. *Prerequisite:* One year of university work.
22. ECONOMIC HISTORY OF THE UNITED STATES.—(3). Open to freshmen only.
27. INTRODUCTION TO BUSINESS.—(3). Open to freshmen who have had one semester of university work.
70. ELEMENTS OF STATISTICS.—(3). *Prerequisite:* Economics 1 or 2; sophomore standing.

* Figures in parenthesis indicate number of credit hours offered for the course.

PHYSICAL EDUCATION

ALL STUDENTS, except veterans who have fulfilled the four-hour physical education requirement while in the service, are required to take physical education each semester until four credit hours have been earned. Veterans are encouraged to utilize the physical education facilities, but additional credits will not be granted except as elective credit in the College of Commerce and Business Administration.

Each student is given a health examination and a motor fitness test before registration. The findings by the Health Service and the testing division are used as a basis for prescribing each student's immediate physical education program. Students with handicapping physical defects are assigned to special courses where they are given individualized programs. Students with low scores in motor fitness are assigned to courses designed to develop strength, skill, and stamina.

Students who are organically sound and demonstrate a fair degree of motor fitness are permitted to elect from a variety of activity courses. Men are offered classes in basic physical fitness, wrestling, handball, volleyball, badminton, tumbling, apparatus, boxing, personal defense, weight lifting and adapted sports. Women are offered classes in square dancing, volleyball, rhythms, basketball, badminton, and gymnastics.

All general courses in physical education will meet three times (for 1 hour) per week or two times (for 2 hours) per week. All general courses in physical education carry one hour of credit.

PROFICIENCY EXAMINATIONS

Proficiency examinations, similar to the regular semester examinations, will be given each semester. Time and place of the examinations are set by the individual departments. There is no fee charged for these examinations.

A student who passes a proficiency examination is given credit toward graduation provided that this does not duplicate credit counted for his admission to the University and that the course is acceptable in his curriculum. The grade in proficiency examinations is "pass" or "not pass," but no student is given the grade of "pass" unless he has made at least "C" in the examination.

DIVISION OF SPECIAL SERVICES FOR WAR VETERANS

THE UNIVERSITY established the Division of Special Services for War Veterans as an agency with one chief function—to assist the veteran in returning to civilian life. To perform this function adequately, the Division offers its help both to those who are now veterans and to those who are still in the services.

The Division can supply information about the various services of the University. It can give advice on matters of educational aids and adjustments. It can help the veteran to secure those benefits to which he is entitled by directing him to the sources of such benefits and assisting him in finding the proper procedures to be followed to obtain them with the least delay.

The Division can help the veterans to find in the curricula now offered by the schools and colleges of the University the programs which they need and want. It will assist them in obtaining such needed or desirable revisions of existing programs as can be agreed to by the college administering these programs. The Division will furthermore assist them in obtaining consideration when faced with requirements which their period in service has made unduly difficult or impossible for them to meet.

For those veterans whose needs cannot be met by the established curricula, the Division will arrange and direct educational programs equivalent in quantity and quality to the traditional curricula but especially planned to meet the individual needs and interests of the veteran. After successfully completing such a program at Navy Pier the veteran may continue the program at Urbana for a degree of Bachelor of Science in the Division of Special Services for War Veterans.

All of the University's agencies to assist students in matters of student life and welfare are available for veterans. Inquiries should be directed to Warren O. Brown, Navy Pier, Chicago, Illinois.

VETERANS' REGISTRATION INFORMATION

All veterans who are planning to attend the University of Illinois, Navy Pier, under the G. I. Bill are urged to make application through the Veterans Administration for a Certificate of Eligibility and Entitlement unless one has previously been issued.

The presentation of a Certificate of Eligibility and Entitlement will enable veterans to register and to receive books and supplies under the G. I. Bill. With this Certificate the only fee charged in cash will be the General Deposit fee required of all students. Without this Certificate, veterans will be responsible for their own tuition fees and books. A rebate will be made when the Certificate is secured. This Certificate is also necessary in order to receive monthly subsistence payments for veterans in training under the G. I. Bill.

Application for a Certificate of Eligibility should be made at once to the office of the Veterans Administration, 366 W. Adams, Chicago. Service records showing separation from the armed forces or terminal leave orders and

AGO Form 100 or NAVPERS 554 should be presented to the Veterans Administration since evidence of discharge from service is required at the time the application is filed.

Certificates of Eligibility will be accepted by the Division of Special Services for War Veterans in the Registrar's Office.

Veterans who have previously used a Certificate of Eligibility under the G. I. Bill, or a Letter of Authorization under the Vocational Rehabilitation Act, should make arrangements at the office of the Veterans Administration to be issued revised authorizations to be presented at Navy Pier.

Students receiving educational benefits under the Vocational Rehabilitation Act should be certain that there is an authorization for their training on file at the University by the time they are to register.

An authorization under which veterans may receive books and supplies will be available to veterans. This form will be issued at the time of registration provided that a Certificate of Eligibility or an authorization for Vocation Rehabilitation training is on file in the Division of Special Services.

FEES

The Chicago Undergraduate Division At Navy Pier

MATRICULATION FEE— Each student not holding a scholarship, on satisfying the requirements for admission to the University, pays the matriculation fee of.....\$10.00

TUITION FEE— All state residents, except those holding scholarships, pay each semester a tuition fee of.....\$40.00

Students not residents of Illinois pay each semester a tuition fee of..\$80.00

HOSPITAL AND MEDICAL SERVICE FEE— All students, except students taking not more than five hours of undergraduate work in a semester, pay each semester as insurance for hospital and medical service, a fee of.....\$ 5.00

LABORATORY, LIBRARY, AND SUPPLY FEE— Students taking more than eight hours pay each semester a laboratory, library, and supply fee of.....\$ 5.00

(Students taking less than eight hours pay \$2.50 each semester)

DEPOSITS— Each student, at the time of his first registration, must make a deposit of \$5, against which such items as unreturned towels and locks, lost library books, library fines, and shortages in laboratory equipment are charged. Whenever the amount of the \$5 deposit falls below \$2.50, the student will be required immediately by additional deposit to bring the total up to \$5. Any balance in deposit will be returned to the student in case he officially withdraws from the University.

IDENTIFICATION CARD— Each student, on completing registration each semester, is given an identification card for use in obtaining loans of library books, lockers, towels, and other equipment.

STUDENT WELFARE

THE DEAN OF STUDENTS

The Dean of Students is responsible for student life and welfare outside of the classroom. He is charged with the direction, supervision, and coordination of numerous offices and agencies which work in the field of student life, and which are active in the guidance of students in non-academic activities which contribute to the best conditions for academic success. Offices and functions included within the Dean of Students' organization are: the Dean of Men, the Dean of Women, the Student Employment Office, the University Health Service, hospital and medical service benefits, and the required work in physical education.

The Dean of Students will also be in charge of student social and cultural activities, both on Navy Pier and in cooperation with the cultural and other agencies in the City of Chicago. The Dean of Students, E. A. Wolleson, is available for individual conferences.

THE DEAN OF MEN

The Office of the Dean of Men is organized for the purpose of aiding men students. The Dean not only gives advice and guidance, but also directs students to other administrative offices of the University which are organized to deal specifically with various matters of student welfare. The work of the Dean of Men is in counseling students and in advising them on any matters which they wish to present to him. He is well informed on matters having to do with registration and the many perplexing problems which confront the new student. New students are urged to come to the Office of the Dean of Men as soon as they arrive at the Pier.

THE DEAN OF WOMEN

The Office of the Dean of Women is the clearing place for the problems of undergraduate women. Students are urged to come with questions that inevitably arise—social, academic, or financial. In addition to the daily counseling of individuals, the Office of the Dean of Women sponsors many of the organizations for women students. The Dean of Women will also direct student social and cultural activities at the Pier.

STUDENT EMPLOYMENT

FOR STUDENTS who find it necessary to earn a portion of their expenses, a limited number of part-time jobs will be available in various University offices and departments. Students will be paid at an hourly rate. The University maintains, in the Office of the Dean of Students, a Student Employment Division to assist students with contacts for employment, both in connection with the University and with industry and business establishments in the City of Chicago.

The student who expects to be employed should arrange his class schedule and study hours for employment, or see the type of employment which is suited to his scholastic program. Freshmen in curricula for which laboratory periods occupy most day hours between eight in the morning and five in the afternoon generally find food-service work done at meal hours the most convenient and most time-conserving. Students in other curricula may improve their employment opportunities at the time they register by arranging class schedules which leave consecutive hours free each day.

SCHOLARSHIPS

UNDERGRADUATE SCHOLARSHIPS that exempt the holder from tuition and matriculation fees include: County Scholarships (awarded on competitive examination); General Assembly Scholarships (awarded on nomination of members of the General Assembly); University Scholarships (awarded by the University Committee on the basis of scholarship and need); Military Scholarships (for veterans who were Illinois residents or University students when they enlisted).

Cash scholarship awards in varying amounts are made to the applicants on the basis of scholastic promise and need by the Committee on Undergraduate Scholarships from funds donated by individuals and organizations.

STUDENT LOAN FUNDS

LOAN FUNDS are of two general classes: (1) emergency loan funds, and (2) long term or regular loan funds. The emergency funds are for small loans to be made on short notice, and to be repaid within a short time. The regular funds are for larger loans, and may be carried for a longer time.

Most of these different funds have special qualifications which must be met by applicants, such as funds for students in certain curricula, of high scholastic standing, or to overseas veterans. Good scholarship, as well as the need of the individual, is a general qualification in all cases. Loans are not ordinarily made to students during their first year in the University or until they have demonstrated their ability. More detailed information regarding loan funds may be obtained from the Office of the Dean of Students, Navy Pier.

STUDENT PERSONNEL BUREAU

AS ONE OF ITS SERVICES to students throughout the State, the University offers, through its Student Personnel Bureau, a complete aptitude testing and counseling service. The Personnel Bureau's staff of experienced counselors can help you discover the answers to questions about your general fitness for specific courses of study; the kind of work in which you have a good chance to succeed; the measures you can take to increase your efficiency as a student—in reading rapidly and understandingly, in increasing your powers of concentration. It can help you, also, in developing a personality that will be an asset to you in school and in the years that follow your work here.

Since an objective discussion of your abilities, interests, educational background, and personal situation can be of great help to you in making your decision as to your course of study, it is highly desirable that you avail yourself of these services some time previous to your actual registration in the University if possible.

As a student at the University of Illinois at Navy Pier the testing and counseling services of the Student Personnel Bureau will be available to you at all times. Whenever you wish to talk over any educational, vocational, or personal problem, simply drop in at the Bureau and ask for an appointment with one of the counselors.

The Student Personnel Bureau is located on the third floor at the extreme east end of the Pier.

HEALTH SERVICE

THE UNIVERSITY maintains a health service for students to promote their physical and mental health, to control communicable disease among them, and to teach them the essentials of healthful living. Members of its staff give instruction in hygiene, conduct physical examinations, supervise food handlers, make sanitary inspections, hold personal conferences with students, and assist them in every way possible in making prompt adjustment. As the functions of the Health Service are primarily educational and preventive, its staff does not assume responsibility for the care of students beyond giving medical advice, emergency treatment, and referral to competent specialists and practitioners of medicine.

The health service station is located on the third floor at the extreme east end of the Pier.

The Hospital and Medical Service fee paid at the time of registration provides ward care in any hospital for a period not to exceed twenty-eight days in any semester. In addition, a substantial payment is made toward the attending physician's charges, usually sufficient in the case of minor illnesses to give complete protection. There is also an allowance for laboratory tests, anaesthetic or administration thereof, use of operating rooms, medicine, drugs and dressings.

LIBRARY

THE LIBRARY at Navy Pier is a branch of the 2,000,000 volume library on the Urbana campus. The library, located on the second floor at the extreme east end of the Pier, contains over 10,000 volumes. Books and periodicals adequate to cover reading requirements in all courses offered at the Pier may be found there.

LOUNGES

STUDENT RECREATION LOUNGES are located throughout Navy Pier. A large reception lounge is located on the first floor at the entrance to the Pier. Additional lounges are situated on the third floor at the extreme east end of the Pier. These lounges are open daily during class hours for student recreation and reading.

CAFETERIA

IN VIEW of the lack of adequate eating facilities in the immediate vicinity of Navy Pier, the University has set up a cafeteria to provide one-menu, moderately-priced lunches for students and staff. The cafeteria will also serve light breakfasts.

The cafeteria, located on the first floor at the east end of the Pier, will seat approximately 1,100 persons. A dining room for faculty and staff will seat 125. It is planned to serve at least 3,500 lunches daily. In addition, the University will operate three lunch counters, located at convenient points on the Pier.

UNIVERSITY OF ILLINOIS-URBANA



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